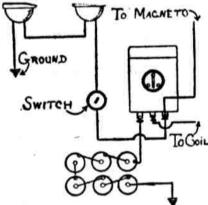
# News and Gossip of the Week In Automobile Circles of the Nation's Capital

# MASTER VIBRATOR AIDS MOTOR START

Synchronizes Spark and Takes Place of Regular Vibrators of Multiple Coil.



Wiring plan for master vibrator including dry cells and switch for controlling electric lights.

old coil must be short circuited or shunted. A simple method is to screw down the adjusting screw of the old vibrators until the points contact firmly. To permit use of the vibrator switch only, it is necessary to throw the switch lever on the old coil to the side to which the wire from the vibrator is attached.

The wiring plan shown is arranged for dry cells for starting, and for supplying current to the lamps when the motor is operating. One of the leads from the lamps is grounded to some metal part of the chassis, and one side of the battery is grounded. The remaining lead from the battery is attached to the left-hand terminal of the master vibrator,

When the switch jever is placed at the The wiring plan shown is arranged

When the switch jever is placed at the right, the current for ignition and lighting is supplied by the magneto. Throwing the lever to the left cuts in the battery current. The lighting switch permits of cutting in or out the lamps as desired. When the ignition system does not include the magneto, the third wire is eliminated. The exact method of wiring will vary slightly with the type of master vibrator, but the principles involved are similar.

## Caring for One's Own Car

"Gears" is a mechanical engineer who drives and cares for his own car. He will discuss your problems in this column weekly. Inclose self-addressed, stamped envelope for answer to questions not of general interest. should be taken not to compress the socket too much or the ball will stick.

manner.

ville daily.

of popular demand.

To Run Motors Between

The Semmes Motor Line will start a

ville, Charlottes House, and Mechanics-

said that it will be instituted because

Repairing Broken Fuel Line.

Fuel pipes do not break as readily as

Wiring In Series and Multiple. Owners of cars relying upon dry dis for ignition will find that considerably more service will be obtained from the batteries by wiring them in multiple

By C. P. SHATTUCK, M. E.

Motorists whose cars are equipped with the multiple unit vibrating type of coil, particularly where the current is supplied by the flywheel type of master vibrator. Since the coil, marked by the master vibrator of the regular coil, as it interrupts or breaks the primary current. This instrument does not replace the coil, merely takes the place of the vibrators of the regular coil, as it interrupts or breaks the primary current. The secondary or high-tension current is supplied by the old coil. The chief value of a master vibrator is shall it synchronizes the spark. It is not always possible to obtain a similar result with the string of the retrievable of the cells wired in series. For example: Four cells each that with a series will be the same as one of difficult. Generally it has three terminals, as shown in the accompany- or magneto terminal of the old coil, and the terminal marked "Mag" on the vibrator is connected to the terminal on the magneto. The vibrators of the magneto. The vibrators of the review or magneto terminal of the old coil, and the terminal marked "Mag" on the vibrator is connected to the terminal on the magneto. The vibrators of the review or magneto terminal of the old coil, and the terminal marked "Mag" on the will be connected with the battery or magneto terminal or the old coil. The wiring for multiple increases the amperage, the advantage of the vibrator is connected to the terminal on the magneto. The vibrators of the review of magneto terminal of the old coil, and the terminal marked "Mag" on the vibrator of the review of the review

Spark and Throttle Linkage. Ball joints are employed in the spark and throttle linkage and after considerable service these devices so wear that able service these devices so wear that considerably play exists and the ball sometimes comes out of the socket. The best repair is to fit a new joint. If trouble be experienced on the road with one of these connections, remove it and pein over the socket. This repair will endure for some time. Care

### W. S. Carter : Manager .

Waiter S. Carter has good the Smith Motor Sales Company, of Four-teenth street, in the capacity of sales manager. The cars under his direction will be the Briscoe, Argo, and Detroiter.

Walter L. Smith, manager of this company, has returned from the factories, where he thoroughly enjoyed himself. He brings with him the news that he has signed the Briscoe agency, and that he is now the largest distributor in Benjamin Briscoe's ranks tributor in Benjamin Briscoe's ranks for the Argo car.

The Argo will be greatly improved and enlarged for 1916, and will sell at \$355 for the roadster and at \$435 for a

### Comfort of Driver Is Factor in Making Sale

does not include the magneto, the third wire is eliminated. The exact method of wiring will vary slightly with the type of master vibrator, but the principles involved are similar.

Firestone Tire Company

Manager Is in Virginia

Branch Manager J. J. Haas, of the Firestone Tire and Rubber Company, is spending two or three weeks along the Virginia coast, having left Sunday night. Manager Haas says there is every prospect of a marked shortage on leading brands of pneumatic and motor tres. With hot weather in sight in a few days, motorists and dealers should prepare for the largest business in the history of the automobile tire business.

"Front seat roominess and comfort is the biggest influence in the purchase of motor cars listing at below \$1,000." This statement was made by D. F. Pyle. Empire distributer at Washington. "At first thought this may seem a far fetched statement." he continued, but it is not. The average man buying a car at less than \$1,000 intends to do most of the driving himself. Before he comes into your store he konws pretty well what your car has in the way of motor, a car is an investment for him and he has given the subject a considerable with the subject a considerable interested in the front seat, for the driving compartment is roomy, it means comfort for him. The driver cannot be taken the driving compartment is roomy, it means comfort for him. The driver cannot be taken the driving compartment is roomy, it means comfort for him. The driver cannot be taken the driving compartment is roomy, it means comfort for him. The driver cannot be taken the driving compartment is roomy, it means comfort for him. The driver cannot be taken the driving compartment is roomy, it means comfort for him. The driver cannot be taken the driving compartment is roomy, it means comfort for him. The driver cannot be taken the driving compartment is roomy, it means comfort for him the driving compartment is roomy. Front seat roominess and comfort is



The greatest truck for commercial purposes the world has ever known, considering price and construction.

Northway Motor Cone Clutch Demountable Rims

31x4 Tires Capacity 1,000 lbs. With 5% Overload

Price, \$750.00 fully equipped. Every owner a satisfied owner. Terms of payment reasonable.

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Phone Lin. 823

According to information given out at automobile headquarters, it is unlikely that a meeting of the club's members will be called earlier than the middle of October. This because already more than one-half of the members have answered the call of the motor route to formerly, as more attention is paid to cool retreats, where they no doubt will remain until the loosening of summer's grip upon the city.

It is planned, however, to call a meetng as early as cool weather sets in and get an expression from as many as possible concerning several questions of mportance to local motorists, which club officials have in mind. Plans for the marking and improving of roads in the vicinity of the National Capital and the promoting of tours for the next season also will be presented for the attention of members.

Chief among touring plans contem plated is the publishing of individual motor tours in lengths of one-half-day, one-day, two-day, three-day, and so on up to extended tours. Each of these to have mileages, turns, stopping places, preparations necessary for the tour, what to see and how to see it, and a detailed description of the historic country

Ross P. Andrews was among those who joined the club during the last

Among those whose hearty co-opera-tion the club is assured of is Lennard H. Mitchell, who became a member last week. Mr. Mitchell has had considerbut one can be made from an old threecornered file by grinding the surfaces smooth and true. When fitted to a wooden handle the scraper will be found to be very efficient; in fact, many re-pairmen prefer a scraper made in this manner. week. Mr. Mitchell has had considerable touring experience, both in this country and abroad, and is familiar with the advantages accruing to the motorist who is a member of a well-organized automobile association. He was particularly impressed with the service rendered motorists by the Touring Club of France during the days that motor touring flourished in that now war-ridden country, and when he discovered that the American Automobile Association is modeled along the The leaves of a spring are secured at the center by a bolt passing through them and the leaves are held in place by a nut. This nut should be examined from time to time and tightened if loose. A loose nut permits of play, inviting a broken leaf. discovered that the American Automo-bile Association is modeled along the lines of and affillated with the French association, he hastened to the Riggs building, took out a membership and promised his loyal support. Capital and Leonardtown

Among those who came to auto club headquarters seeking touring information during the last week was a charming little English woman who had done quite a bit of motor touring in her native country and who intended to "do America" in a motor car, visiting some cities, such as Baltimore, Wilmington, Richmond, etc., provided the American Automobile Association could extend her the same touring service here as she received at home from the Royal Automobile Club of England.

She was informed that American motorists are quite proud of the facilities of their association and that through schedule between Washington and Leonardtown within ten days. The route will cover Bryantown, Hughes-In announcing this route Charles Semmes, manager of the motor line,



# Before and After Using Our Ford Treatment

Mutual friendship must have an interest in common. We share your interest in your Ford machine. This accounts for the 1,000 or more satisfied Ford owners whom we are striving to please and whose friendship we value.

In the five months of our existence we have served more than 1,000 Ford owners, and to the best of our knowledge every one of them has found the fullest measure of satisfaction in our work. This magnificent record is your assurance of perfect service at all times.



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All rebuilt by factory experts and guaranteed

## NO TRUCK BETTER THAN A WILCOX

One-ton express body..... \$1,350.00 One and a half ton express body . . . . . . 1,800.00 Three-ton express body...... 2,000.00 Two sightseeing bodies can be used for bus purposes.

CONGRESSIONAL GARAGE 628 PA. AVE. S. E.

Phone Line, 823.

ittle lady. She decided to first visit Baltimore and later in the week she would visit Denver, having heard that the scenery about the latter city was quite inspiring, and asked that she be given a shield that would identify her when she sought information of the "out-post."

When it was explained to her by Tour-ing Chief Ferguson that, because of the out-post system being in vogue only on the borderland and between countries and not between our States and that they would not be met with in America unless abe intended crossing the border they would not be met with in America unless she intended crossing the border into Canada, she appeared to be

"I say! My word!" she ejaculated in quick succession, "I thought you said this motor union was like ours. Don't you have sentries at the crossroads and lorks to keep us on the right road as they do on the Continent?"

At this juncture Mr. Ferguson con cluded to acquaint his visitor with his In conclusion he indicated the State of Kansas on the map and told her that the Sunflower State, while 1.500 miles away, was only hair-way between our shores and at that it was large enough to accommodate all of England.

Her reply to this?

"I say, you've a bit of country here. Tell me, which part of Washington shall I visit to see the Indians?"

A huge map of the United States, showing the different motor routes from the Atlantic to the Pacific and the main automobile highways between the

their association they had succeeded in making automobile travel in this country pleasurable to a marked degree. She also was told that the A. A. A. enjoys reciprocal touring information privileges with the leading motoring organizations of Great Britain, France, Italy, etc., and that the courtesies of the American club were hers to command.

All of this appealed strongly to the little lady. She decided to first visit

Among those who joined the club last week were: A. M. Brown, Lennard H. Mitchell, Hal M. Remington, Miss Dollie Day, Joseph M. Stoddard, Miss Rosalie Storm, Harvey O. Coad, Ainsley Ulmer, Roger Stockman and John R. Brooks.

That all Washingtonians are not ors, horoughly familiar with the automobile son. nighways in the vicinity of the Disnighways in the vicinity of the District is apparent in the expressions of gratitude daily received at club head-quarters by wandering autoists who, on the road, have been set aright by the yellow and black A. A. A. road signs how in course of erection at every turning point on every highway leading into and out of this city.

So many inquiries for information con erning the District club are daily received by the automobile editor of this At this juncture Mr. Ferguson concluded to acquaint his visitor with his country, thereupon leading her to a map of the United States, pointing out to her the various States, and explaining their length and breadth. He told her of the many wonders of his country that lie days and days of motor travel away from Washington; of the lakes, the mountains, the forests, and the desert. In conclusion he indicated the State of Kansas on the map and told her that the Sunflower State, while 1,500 miles away, was only haif-way between our shores and at that it was large enough to accommodate all of England.

Her reply to this?

"I say, you've a hit of country here." paper that, for the benefit of those de-

A portion of every membership fee goes to a fund for marking and improv-ing highways. In addition to these visible benefits, the organization fea-

apolis motor speedway, following a career of service with that institution

embracing the last four years. Myers for some time has been man Myers for some time has been man-aging the speedway, without, how-ever, receiving public recognition for his work. This has now been given him by action of the board of direct-ors, Newby, Fisher, Wheeler, and Alli-

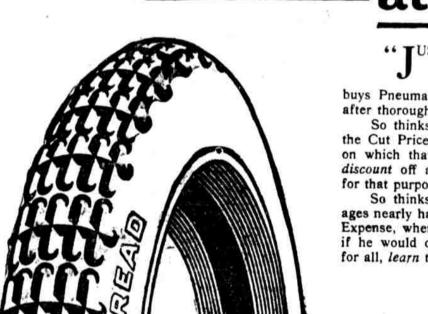
carl G. Fisher, president of the speedway, will continue in active control of the speedway's affairs, but expects to throw more and more responsibility on Myers' shoulders.

### Tourist Travel Through Shenandoah Valley Opens

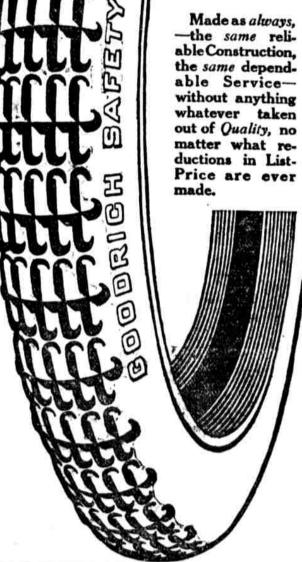
STAUNTON, Va., June 19.-This week has been the real beginning of the tourist travel through the Shenandoah Val-

Indianapolis, and until recently general manager and one of the largest individual owners of the Empire Autoture of most importance is the strength each new member adds to the union of motorists battling for the repeal of unreasonable laws and the enactment of those which are fair and equitable.

# "All Cats look grey at Night!"



Made as always, the same reliable Construction. the same dependable Servicewithout anything whatever taken out of Quality, no matter what reductions in List-Price are ever made.



## Only 5% Plus for this Best Non-Skid Tire

Note following comparative prices. "A," "B," "C" and "D" represent four Widely-Sold Non-Skid Tires:

OTHER MAKES "C" \$9.45 \$10.95 \$16.35 \$18.10 30 x 3 1/3 32 x 3 1/3 12.20 14.20 21.70 23.60 16.30 23.80 33.60 41.80 14.00 15.40 34 x 4 20.35 22.30 32.15 31.15 41.85 49.85

66 TUST Rubber and Canvas-pumped full of air!"

So thinks the Tire User who buys Pneumatics "Blind," without comparison after thorough investigation.

So thinks the Car Owner who buys from the Cut Price Dealer, the "just as good" Tire on which that Dealer quotes him the biggest discount off a Price List specially printed up for that purpose.

So thinks the Man whose Tire bill averages nearly half of his entire Season's running Expense, when it need not average one-fourth, if he would only "Work his head" and, once for all, learn the Tire Game.

HERE are Car Owners who regularly get 25% to 50% MORE Mileage, per Dollar invested in Tires, than do the Owners of other Cars driven with equal care, under equivalent road conditions.

The latter type of Owner is apt to conclude offhand (from his own experience) that all Tires must be Short-lived and Unsatisfactory.

Now this is to tell him that there is as much difference between the Mileage and Resilience of different brands of Tires, when the facts are investigated, and proven through actual Service, as there is difference between the Color of Cats-when viewed by Daylight. This is to inform him that three Rubber

Factories using precisely the same quantity and quality of Materials might, and sometimes do, produce (through the difference in their Rubber EXPERIENCE and efficiency methods) Tires of such widely different Mileage-Result as to average 3000 Miles, 4000 Miles, and 5000 Miles respectively-under parallel road condi-

OST of production is therefore no sure guide to the Mileage and Resilience which can be put into such a subtle and "temperamental" product as the Rubber in a Pneumatic Tire.

And, though the B. F. Goodrich Co. can, and does, put the most Mileage per Dollar invested by the User, into Goodrich Safety-Tread Tires, they do not interpret this as a reason why they should charge a higher price, to include an Insurance Premium which would place their "Adjustment Basis" beyond the safe and reasonable minimum that Bad Roads and Careless Driving make necessary.

Because of its Manufacturing Advantages, its Precision Methods, and Waste-reducing Processes (resulting from its 45 years' EX-PERIENCE in the working of Rubber), the B. F. Goodrich Co. can afford to and does, offer the greatest Mileage in Tires at the lowest price

per Mile. It sells the standard grade of Goodrich Safety Tires at 10% to 30% lower prices than other non-skid brands which "Guarantee" greater Mileage but cannot prove delivery of greater Mileage in actual use.

> Why pay MORE for any Tire? THE B: F. GOODRICH CO. Akron, O.

